

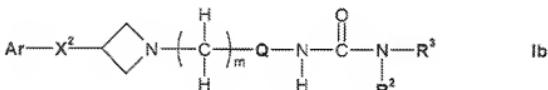
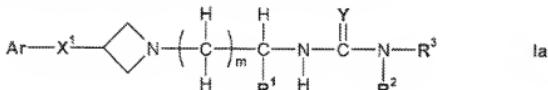
Amendments to the Claims

This listing of claims will replace all prior versions, and listings of claims in the specification:

Listing of Claims

Claims 1 -10. (Cancelled)

Claim 11. (Currently Amended) A compound of formula Ia or Ib



or its pharmaceutically acceptable salts in free or salt form, where

Ar is phenyl optionally substituted by one or more substituents selected from halogen,

$\text{C}_1\text{-C}_8$ -alkyl, cyano or nitro;

$\text{X}^1$  is  $-\text{S}-$ ,  $-\text{S}(\text{=O})-$  or  $-\text{S}(\text{=O})_2-$ ;

$\text{X}^2$  is  $-\text{C}(=\text{O})-$ ,  $-\text{O}-$ ,  $-\text{CH}_2-$ ,  $-\text{S}-$ ,  $-\text{S}(\text{=O})-$  or  $-\text{S}(\text{=O})_2-$ ;

m is 1, 2, 3 or 4;

$\text{R}^1$  is hydrogen or  $\text{C}_1\text{-C}_8$ -alkyl optionally substituted by hydroxy,  $\text{C}_1\text{-C}_8$ -alkoxy, acyloxy, halogen, carboxy,  $\text{C}_1\text{-C}_8$ -alkoxycarbonyl,  $-\text{N}(\text{R}^4)\text{R}^5$ ,  $-\text{CON}(\text{R}^2)\text{R}^7$  or by a monovalent cyclic organic group having 3 to 15 atoms in the ring system;

Q has the formula



where  $\text{R}^a$  is  $\text{C}_1\text{-C}_8$ -alkylene,

or Q is  $-\text{C}(\text{R}^b)(\text{R}^c)-$  where  $\text{R}^b$  and  $\text{R}^c$  are independently  $\text{C}_1\text{-C}_8$ -alkyl

or  $\text{R}^b$  and  $\text{R}^c$  together form a  $\text{C}_3\text{-C}_{10}$ -cycloalkyl;

Y is oxygen or sulfur;

$\text{R}^2$  is hydrogen,  $\text{C}_1\text{-C}_8$ -alkyl or  $\text{C}_3\text{-C}_{10}$ -cycloalkyl and  $\text{R}^3$  is  $\text{C}_1\text{-C}_8$ -alkyl substituted by phenyl, phenoxy, acyloxy or naphthyl, or  $\text{R}^3$  is  $\text{C}_3\text{-C}_{10}$ -cycloalkyl optionally having a benzo group fused thereto, a heterocyclic group having 5 to 11 ring atoms of which 1 to 4 are hetero atoms, phenyl

or naphthyl, said phenyl, phenoxy or naphthyl groups being optionally substituted by one or more substituents selected from halogen, cyano, hydroxy, acyl, nitro,  $-\text{SO}_2\text{NH}_2$ ,  $\text{C}_1\text{-C}_8\text{-alkyl}$  optionally substituted by  $\text{C}_1\text{-C}_8\text{-alkoxy}$ ,  $\text{C}_1\text{-C}_8\text{-haloalkyl}$ ,  $\text{C}_1\text{-C}_8\text{-alkoxy}$ ,  $\text{C}_1\text{-C}_8\text{-haloalkoxy}$ ,  $\text{C}_1\text{-C}_8\text{-alkylthio}$ ,  $-\text{SO}_2\text{C}_1\text{-C}_8\text{-alkyl}$ ,  $\text{C}_1\text{-C}_8\text{-alkoxycarbonyl}$ ,  $\text{C}_1\text{-C}_8\text{-acylamino}$  optionally substituted on the nitrogen atom by  $\text{C}_1\text{-C}_8\text{-alkyl}$ ,  $\text{C}_1\text{-C}_8\text{-alkylamino}$ , aminocarbonyl,  $\text{C}_1\text{-C}_8\text{-alkylamino-carbonyl}$ , di( $\text{C}_1\text{-C}_8\text{-alkyl}$ )amino, di( $\text{C}_1\text{-C}_8\text{-alkyl}$ )aminocarbonyl, di( $\text{C}_1\text{-C}_8\text{-alkyl}$ )aminocarbonyl-methoxy, or  $\text{R}^2$  and  $\text{R}^3$  together with the nitrogen atom to which they are attached denote a heterocyclic group having 5 to 10 ring atoms of which 1, 2 or 3 are hetero atoms;

$\text{R}^4$  and  $\text{R}^5$  are each independently hydrogen or  $\text{C}_1\text{-C}_8\text{-alkyl}$ , or  $\text{R}^6$  is hydrogen and  $\text{R}^5$  is hydroxy- $\text{C}_1\text{-C}_8\text{-alkyl}$ , acyl,  $-\text{SO}_2\text{R}^8$  or  $-\text{CON}(\text{R}^6)\text{R}^7$ , or  $\text{R}^4$  and  $\text{R}^5$  together with the nitrogen atom to which they are attached denote a 5- or 6-membered heterocyclic group;

$\text{R}^6$  and  $\text{R}^7$  are each independently hydrogen or  $\text{C}_1\text{-C}_8\text{-alkyl}$ , or  $\text{R}^6$  and  $\text{R}^7$  together with the nitrogen atom to which they are attached denote a 5- or 6-membered heterocyclic group; and  $\text{R}^8$  is  $\text{C}_1\text{-C}_8\text{-alkyl}$ ,  $\text{C}_1\text{-C}_8\text{-haloalkyl}$ , or phenyl optionally substituted by  $\text{C}_1\text{-C}_8\text{-alkyl}$ .

**Claim 12. (Currently Amended)** A compound according to claim 11, which is

- (i) a compound of formula Ia or its pharmaceutically acceptable salts in free or salt form, wherein

Ar is phenyl substituted by halo;

$\text{X}^1$  is  $-\text{S}-$ ,  $-\text{S}(=\text{O})-$  or  $-\text{S}(=\text{O})_2-$ ;

m is 2;

$\text{R}^1$  is  $\text{C}_1\text{-C}_8\text{-alkyl}$  optionally substituted by hydroxy or  $\text{C}_1\text{-C}_8\text{-alkoxy}$ ;

Y is oxygen;

$\text{R}^2$  is hydrogen; and

$\text{R}^3$  is a heterocyclic group having 5 to 11 ring atoms of which 1 to 4 are hetero atoms; or

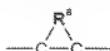
- (ii) a compound of formula Ib or its pharmaceutically acceptable salts in free or salt form, wherein

Ar is phenyl substituted by halo;

$\text{X}^2$  is  $-\text{O}-$ ,  $-\text{C}(=\text{O})-$  or  $-\text{CH}_2-$ ;

m is 1 or 2;

Q has the formula



where  $\text{R}^8$  is  $\text{C}_1\text{-C}_8\text{-alkylene}$ ,

or Q is  $-\text{C}(\text{R}^b)(\text{R}^c)$  where  $\text{R}^b$  and  $\text{R}^c$  are independently  $\text{C}_1\text{-C}_8\text{-alkyl}$  or  $\text{R}^b$  and  $\text{R}^c$  together form a  $\text{C}_3\text{-C}_{10}\text{-cycloalkyl}$ ;

$\text{R}^2$  is hydrogen; and

R<sup>3</sup> is a heterocyclic group having 5 to 11 ring atoms of which 1 to 4 are hetero atoms.

**Claim 13. (Currently Amended)** A compound according to claim 11, which is

- (i) a compound of formula Ia or its pharmaceutically acceptable salts in free or salt form, wherein

Ar is phenyl substituted by halo, preferably chloro;

X<sup>1</sup> is -S-, -S(=O)- or -S(=O)<sub>2</sub>;

m is 2;

R<sup>1</sup> is C<sub>1</sub>-C<sub>4</sub>-alkyl optionally substituted by hydroxy or C<sub>1</sub>-C<sub>4</sub>-alkoxy;

Y is oxygen;

R<sup>2</sup> is hydrogen; and

R<sup>3</sup> is a heterocyclic group having 5, 6 or 7 ring atoms of which one, two, three or four, are hetero atoms selected from nitrogen, oxygen and sulphur, said heterocyclic group being optionally substituted by C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-alkoxy or C<sub>3</sub>-C<sub>6</sub>-cycloalkyl; or

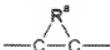
- (ii) a compound of formula Ib or its pharmaceutically acceptable salts in free or salt form, wherein

Ar is phenyl substituted by halo, preferably chloro;

X<sup>2</sup> is -O-, -C(=O)- or -CH<sub>2</sub>-;

m is 1 or 2;

Q has the formula



where R<sup>a</sup> is C<sub>1</sub>-C<sub>5</sub>-alkylene,

or Q is -C(R<sup>b</sup>)(R<sup>c</sup>)- where R<sup>b</sup> and R<sup>c</sup> are independently C<sub>1</sub>-C<sub>4</sub>-alkyl

or R<sup>b</sup> and R<sup>c</sup> together form a C<sub>3</sub>-C<sub>6</sub>-cycloalkyl;

R<sup>2</sup> is hydrogen; and

R<sup>3</sup> is a heterocyclic group having 5, 6 or 7 ring atoms of which one, two, three or four, are hetero atoms selected from nitrogen, oxygen and sulphur, said heterocyclic group being optionally substituted by C<sub>1</sub>-C<sub>4</sub>-alkyl or C<sub>3</sub>-C<sub>6</sub>-cycloalkyl.

**Claim 14. (Currently Amended)** A compound according to claim 11 or a pharmaceutically acceptable salt thereof that is selected from the group consisting of:

1-[(S)-3-[3-(4-Chloro-benzenesulfinyl)-azetidin-1-yl]-1-hydroxymethyl-propyl]-3-(3,5-dimethoxyphenyl)-urea;

1-[(S)-3-[3-(4-Chloro-benzenesulfinyl)-azetidin-1-yl]-1-hydroxymethyl-propyl]-3-(5-ethyl-[1,3,4]thiadiazol-2)-urea;

1-<{(S)-3-[3-(4-Chloro-benzenesulfinyl)-azetidin-1-yl]-1-hydroxymethyl-propyl}-3-(5-ethyl-2-methyl-2H-pyrazol-3-yl)-urea;

1-<{(S)-3-[3-(4-Chloro-benzenesulfinyl)-azetidin-1-yl]-1-hydroxymethyl-propyl}-3-(5-cyclopropyl-2-methyl-2H-pyrazol-3-yl)-urea;

1-<{(S)-3-[3-(4-Chloro-benzenesulfinyl)-azetidin-1-yl]-1-hydroxymethyl-propyl}-3-(5-ethyl-isoxazol-3-yl)-urea;

1-<{(S)-3-[3-(4-Chloro-benzenesulfinyl)-azetidin-1-yl]-1-hydroxymethyl-propyl}-3-(3-ethyl-isoxazol-5-yl)-urea;

1-<{(S)-3-[3-(4-Chloro-phenylsulfanyl)-azetidin-1-yl]-1-hydroxymethyl-propyl}-3-(5-ethyl-[1,3,4]thiadiazol-2-yl)-urea;

1-<{(S)-3-[3-(4-Chloro-phenylsulfanyl)-azetidin-1-yl]-1-hydroxymethyl-propyl}-3-(5-ethyl-2-methyl-2H-pyrazol-3-yl)-urea;

1-<{(S)-3-[3-(4-Chloro-phenylsulfanyl)-azetidin-1-yl]-1-hydroxymethyl-propyl}-3-(5-cyclopropyl-2-methyl-2H-pyrazol-3-yl)-urea;

1-<{(S)-3-[3-(4-Chloro-phenylsulfanyl)-azetidin-1-yl]-1-hydroxymethyl-propyl}-3-(3,5-dimethoxy-phenyl)-urea;

1-<{(S)-3-[3-(4-Chloro-phenylsulfanyl)-azetidin-1-yl]-1-hydroxymethyl-propyl}-3-(5-ethyl-isoxazol-3-yl)-urea;

1-<{(S)-3-[3-(4-Chloro-phenylsulfanyl)-azetidin-1-yl]-1-hydroxymethyl-propyl}-3-(3-ethyl-isoxazol-5-yl)-urea;

1-<{(S)-3-[3-(4-Chloro-benzenesulfonyl)-azetidin-1-yl]-1-hydroxymethyl-propyl}-3-(5-ethyl-[1,3,4]thiadiazol-2-yl)-urea;

1-<{(S)-3-[3-(4-Chloro-benzenesulfonyl)-azetidin-1-yl]-1-hydroxymethyl-propyl}-3-(5-ethyl-2-methyl-2H-pyrazol-3-yl)-urea;

1-<{(S)-3-[3-(4-Chloro-benzenesulfonyl)-azetidin-1-yl]-1-hydroxymethyl-propyl}-3-(5-cyclopropyl-2-methyl-2H-pyrazol-3-yl)-urea;

1-<{(S)-3-[3-(4-Chloro-benzenesulfonyl)-azetidin-1-yl]-1-hydroxymethyl-propyl}-3-(3,5-dimethoxy-phenyl)-urea;

1-<{(S)-3-[3-(4-Chloro-benzenesulfonyl)-azetidin-1-yl]-1-hydroxymethyl-propyl}-3-(5-ethyl-isoxazol-3-yl)-urea;and

1-<{(S)-3-[3-(4-Chloro-benzene-sulfonyl)-azetidin-1-yl]-1-hydroxymethyl-propyl}-3-(3-ethyl-isoxazol-5-yl)-urea;

(+/-)1-((1R,2R)-2-[3-(4-Chloro-phenoxy)-azetidin-1-yl-methyl]-cyclohexyl)-3-(5-ethyl-1,3,4-thiadiazol-2-yl)-urea;

1-((1R,2R)-2-[3-(4-Chloro-phenoxy)-azetidin-1-yl-methyl]-cyclohexyl)-3-(5-ethyl-2-methyl-2H-pyrazol-3-yl)-urea;

1-((1R,2R)-2-[3-(4-Chloro-phenoxy)-azetidin-1-yl-methyl]-cyclohexyl)-3-(5-cyclopropyl-2-methyl-2H-pyrazol-3-yl)-urea;

1-((1R,2R)-2-[3-(4-Chloro-phenoxy)-azetidin-1-yl-methyl]-cyclohexyl)-3-(5-cyclobutyl-2-methyl-2H-pyrazol-3-yl)-urea;

1-((1R,2R)-2-[3-(4-Chloro-phenoxy)-azetidin-1-yl-methyl]-cyclohexyl)-3-(2-ethyl-2H-tetrazol-5-yl)-urea;

1-((1R,2R)-2-[3-(4-Chloro-phenoxy)-azetidin-1-yl-methyl]-cyclohexyl)-3-(5-ethyl-isoxazol-3-yl)-urea;

1-((1R,2R)-2-[3-(4-Chloro-phenoxy)-azetidin-1-yl-methyl]-cyclohexyl)-3-(3-ethyl-isoxazol-5-yl)-urea;

1-(1-(2-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-ethyl)-cyclobutyl)-3-(5-ethyl-[1,3,4]thiadiazol-2-yl)-urea;

1-(1-(2-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-ethyl)-cyclobutyl)-3-(5-ethyl-2-methyl-2H-pyrazol-3-yl)-urea;

1-(1-(2-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-ethyl)-cyclobutyl)-3-(5-cyclopropyl-2-methyl-2H-pyrazol-3-yl)-urea;

1-(1-(2-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-ethyl)-cyclobutyl)-3-(5-cyclobutyl-2-methyl-2H-pyrazol-3-yl)-urea;

1-(1-(2-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-ethyl)-cyclobutyl)-3-(2-ethyl-2H-tetrazol-5-yl)-urea;

1-(1-[2-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-ethyl]-cyclobutyl)-3-(5-ethyl-isoxazol-3-yl)-urea;

1-(1-[2-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-ethyl]-cyclobutyl)-3-(3-ethyl-isoxazol-5-yl)-urea;

1-(3-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-1,1-dimethyl-propyl)-3-(5-ethyl-[1,3,4]thiadiazol-2-yl)-urea;

1-[3-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-1,1-dimethyl-propyl]-3-(5-ethyl-2-methyl-2H-pyrazol-3-yl)-urea;

1-[3-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-1,1-dimethyl-propyl]-3-(5-cyclopropyl-2-methyl-2H-pyrazol-3-yl)-urea;

1-[3-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-1,1-dimethyl-propyl]-3-(2-ethyl-2H-tetrazol-5-yl)-urea;

1-[3-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-1,1-dimethyl-propyl]-3-(5-ethyl-isoxazol-3-yl)-urea; and

1-[3-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-1,1-dimethyl-propyl]-3-(3-ethyl-isoxazol-5-yl)-urea.

Claim 15. (Currently Amended) A pharmaceutical composition comprising a compound according to claim 11 or a pharmaceutically acceptable salt thereof in combination with another drug substance which is selected from an anti-inflammatory, a bronchodilator, an antihistamine or an anti-tussive substance.

Claim 16. (Currently Amended) A pharmaceutical composition comprising as active ingredient a compound according to claim 11, or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier or diluent.

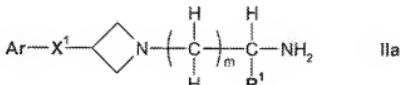
Claim 17. (Currently Amended) A pharmaceutical composition comprising as active ingredient a compound according to claim 14, or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier or diluent.

Claim 18. (Withdrawn – Currently Amended): A method of treating a condition mediated by CCR-3 in a subject in need of such treatment, which comprises administering to said subject an effective amount of a compound of formula I or a pharmaceutically acceptable salt thereof as defined in claim 11 in free form or in the form of a pharmaceutically acceptable salt.

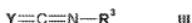
Claim 19. (Withdrawn – Currently Amended): A method of treating an inflammatory or obstructive airways disease in a subject in need of such treatment, which comprises administering to said subject an effective amount of a compound of formula I or a pharmaceutically acceptable salt thereof as defined in claim 11 in free form or in the form of a pharmaceutically acceptable salt.

Claim 20. (Withdrawn): A process for the preparation of a compound of formula Ia or Ib as claimed in claim 11 which comprises

- (i) (A) for the preparation of compounds of formula Ia where R<sup>2</sup> is hydrogen, reacting a compound of formula IIa

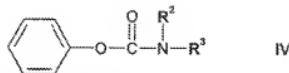


or a protected form thereof, where Ar, X¹, m and R¹ are as defined in claim 11, with a compound of formula III



where Y and R<sup>3</sup> are as defined in claim 11; or

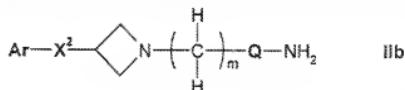
(B) for the preparation of compounds of formula Ia where Y is oxygen, reacting a compound of formula IIa where Ar, X<sup>1</sup>, m and R<sup>1</sup> are as defined in claim 11, with a compound of formula IV



where R<sup>2</sup> and R<sup>3</sup> are as defined in claim 11; or

(C) for the preparation of compounds of formula Ia where X<sup>1</sup> is  $-S(=O)_2-$ , oxidising a compound of formula Ia in protected form where X<sup>1</sup> is  $-S-$  and Ar, m, R<sup>1</sup>, Y, R<sup>2</sup> and R<sup>3</sup> are as defined in claim 11;

(D) for the preparation of compounds of formula Ib, reacting a compound of formula IIb



where Ar, X<sup>2</sup>, m and Q are as defined in claim 11, with a compound of formula IV where R<sup>2</sup> and R<sup>3</sup> are as defined in claim 11;

(E) for the preparation of compounds of formula Ib where R<sup>2</sup> is hydrogen, reacting a compound of formula IIb where Ar, X<sup>2</sup>, m and Q are as defined in claim 11, with a compound of formula V



where R<sup>3</sup> is as defined in claim 11; or

(F) for the preparation of compounds of formula Ib where X is  $-S(=O)_2-$ , oxidising a compound of formula Ib in protected form where X<sup>2</sup> is  $-S-$  and Ar, m, Q, R<sup>2</sup> and R<sup>3</sup> are as defined in claim 11; and

- (ii) recovering the product in free or salt form.